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this amendment.

Thanks.

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AMENDMENTS TO THE CLAIMS(IN FORMAT COMPLIANT WITH THE REVISED 37 CFR 1.121)

Please cancel claims 11 and 19 without prejudice.

1. (CURRENTLY AMENDED) An apparatus comprising:

a bus;

a first data modification circuit configured to generate
a first output data stream in response to performing a first
modification on at least one first image from a first input data
stream received from said bus; and

a composite circuit configured to generate a combined
output data stream on said bus in response to performing a spatial
combination of said first output data stream and a second output
data stream, wherein (i) said spatial combination is (a bitwise
logical operation) on said first output data stream and said second
output data stream and (ii) said bitwise logical operation
comprises a one of the following (i) an exclusive OR operation,
(ii) an OR operation, and (iii) a combination of AND operations and
multiplication operations.

2. (PREVIOUSLY PRESENTED) The apparatus according to
claim 1, wherein said apparatus forms a block modify and move
engine.

3. (PREVIOUSLY PRESENTED) The apparatus according to
claim 1, further comprising:

a second data modification circuit configured to generate said second output data stream in response to performing a second modification on at least one second image from a second input data stream.

4. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, wherein said first data modification circuit is further configured to convert an input format of said first input data stream and an output format of said first output data stream between a video data format and a graphics data format.

5. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, wherein (i) said first output data stream comprises a plurality of video pictures, (ii) said second output data stream comprises a graphics data and (iii) said spatial combination places said video pictures in front of said graphics data.



(CANCELED)

7. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, wherein said first data modification circuit is further configured to perform interleaving of color components in each of said first images.

8. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, wherein said first data modification circuit is further

configured to perform separation of color components in each of said first images.

9. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, wherein said first data modification circuit is further configured to perform scaling on each of said first images.

10. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, wherein said first data modification circuit is further configured to perform filtering on each of said first images.

~~11.~~ (CANCELED)

12. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, wherein said spatial combination is an alpha blending on said first output data stream and said second output data stream.

13. (CURRENTLY AMENDED) A method for processing a plurality of data streams, comprising the steps of:

(A) reading a first input data stream of said data streams from a memory;

5 (B) modifying at least one image from said first input data stream to generate a first output data stream of said data streams;

(C) spatially combining said first output data stream and a second output data stream of said data streams to generate a

10 combined output data stream, wherein (i) said spatial combination
is a bitwise logical operation on said first output data stream and
said second output data stream and (ii) said bitwise logical
operation comprises a one of the following (i) an exclusive OR
operation, (ii) an OR operation, and (iii) a combination of AND
15 operations and multiplication operations; and

(D) writing said combined output data stream to said memory.

14. (PREVIOUSLY PRESENTED) The method according to claim 13, wherein step (B) further comprises the sub-step of:

converting an input format of said first input data stream and an output format of said first output data stream
5 between a video data format and a graphics data format.

15. (PREVIOUSLY PRESENTED) The method according to claim 13, wherein (i) said first output data stream comprises graphics data, (ii) said second output data stream comprises a plurality of video pictures and (iii) said step (C) further comprises the sub-
5 step of:

spatially placing said graphics data in front of said video pictures.

16. (PREVIOUSLY PRESENTED) The method according to claim 13, wherein step (B) further comprises the sub-step of:

interleaving of color components in each of said images.

17. (PREVIOUSLY PRESENTED) The method according to claim 13, wherein step (B) further comprises the sub-step of:
separating of color components in each of said images.

18. (PREVIOUSLY PRESENTED) The method according to claim 13, wherein step (B) comprises the sub-steps of:
scaling each of said images; and
filtering each of said images.

~~19.~~ (CANCELED)

20. (PREVIOUSLY PRESENTED) The method according to claim 13, wherein step (C) comprises the sub-step of:
performing alpha blending on said first output data stream and said second output data stream.

21. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, further comprising:

a memory configured to buffer a first data having a first format, a second data having a second format and a third data;

5 a first expander circuit configured to generate said first input data stream having a particular format from said first data;

a second expander circuit configured to generate said second output data stream having said particular format from said
10 second data; and

a third expander circuit configured to generate a control signal for said spatial combination from said third data.

22. (CURRENTLY AMENDED) An apparatus comprising:

* means for storing;

means for generating a first output data stream by modifying at least one image from a first input data stream read from said means for storing;

means for generating a combined output data stream by spatially combining said first output data stream and a second output data stream read from said means for storing, wherein (i) said spatial combination is a bitwise logical operation on said first output data stream and said second output data stream and (ii) said bitwise logical operation comprises one of the following (i) an exclusive OR operation, (ii) an OR operation, and (iii) a combination of AND operations and multiplication operations; and

means for writing said combined output data stream to said means for storing.